

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (previously presented): A remote control toy system comprising:

a plurality of sets, each set including a controller and a model controlled based on data transmitted from the controller, the transmitted data corresponding to an operation of the controller for controlling an operation of the model; and

an accessory device, provided separately from the controllers and the models, for conducting data communication with the controllers and the models,

wherein each of the controllers, the models, and the accessory device separately comprises:

a radio communication module for executing the data communication and for conducting bilateral data communication; and

a control device for implementing various controls based on data communication conducted through the radio communication module, wherein:

each model travels in accordance with information describing a correspondence between operation of the controller and an action of the model, and

each model comprises a detection device for detecting course position information upon passing a predetermined position on a race course and outputting a signal indicating the detected course position information,

the control device of each model comprises:

a device for making a predetermined decision concerning a course position based on the output signal of the detection device; and

a device for generating data corresponding to a result of the decision and sending the data through the radio communication module of the model,

the control device of the accessory device comprises:

a device for receiving data sent from the model associated with the output signal of the detection device, the output signal being received through the radio communication module of the

accessory device;

a device for determining restrictions concerning the travel of at least one model, based on the received data; and

a device for generating data corresponding to the determined restrictions and sending the generated data through the radio communication module of the accessory device, and

the control device of the controller or the model comprises:

a device for receiving data corresponding to the restrictions sent from the accessory device, through the radio communication module; and

a device for setting the information describing the correspondence between operation of the controller and an action of the model based on the received data.

Claim 2 (previously presented): The remote control toy system according to claim 1, wherein the control device of the accessory device comprises:

a device for receiving data sent from the controller, through the radio communication module;

a device for executing processing based on information contained in the received data; and

a device for generating data corresponding to a result of the processing and sending the data through the radio communication module.

Claim 3 (canceled).

Claim 4 (canceled).

Claim 5 (previously presented): The remote control toy system according to claim 1, wherein

the device for sending data of the control device of the accessory device is configured to generate and send the generated data as broadcast data intended for a plurality of controllers, and

a receiving device of the control device of each controller is configured to receive the

broadcast data.

Claim 6 (canceled).

Claim 7 (canceled).

Claim 8 (canceled).

Claim 9 (previously presented): The remote control toy system according to claim 1, wherein the device for setting the information describing the between the operation of the controller and the action of the model changes a corresponding relationship between a quantity of an operation of the controller concerning a specific action of the model and a quantity of control concerning the specific action of the model according to the restrictions.

Claim 10 (original): The remote control toy system according to claim 1, wherein the radio communication module is based on Bluetooth standards.

Claims 11 - 15 (canceled).

Claim 16 (previously presented): An accessory device used in combination with a plurality of sets, each set including a controller and a model remotely controlled based on data transmitted from the controller, the accessory device comprising:

a radio communication module based on Bluetooth standards, the module serving as a device for executing bilateral data communication between the accessory device and the controller and between the accessory device and the model;

a control device for implementing various controls based on data communication conducted through the radio communication module; and

an information input section for accepting a user's information input,

wherein the control device comprises:

a device for receiving data sent from each model associated with the output signal of the detection device, the output signal being received through the radio communication module of the accessory device and indicating a decision made by a control device of the model concerning course position information detected by a detection unit of the model;

a device for determining restrictions concerning the travel of at least one model, based on the decision data received from the models; and

a device for generating data corresponding to the determined restrictions and sending the generated data through the radio communication module of the accessory device to the at least one model.

Claim 17 (previously presented): The remote control toy system according to claim 1, wherein

the data transmitted from the controller for controlling the operation of the model is generated by the control device of the controller according to a selected one of a plurality of data maps, and

the data generated by the device for generating data in the control device of the accessory device is directed to control each controller in the plurality of sets to select an alternate one of the plurality of data maps.

Claim 18 (previously presented): The remote control toy system according to claim 16, wherein

the data transmitted from the controller for remotely controlling the operation of the model is generated by a control device of the controller according to a selected one of a plurality of data maps, and

the data generated by the device for generating data in the control device of the accessory device is directed to control each controller in the plurality of sets to select an alternate one of the plurality of data maps.

Claim 19 (previously presented): The remote control toy system according to claim 1, wherein:

the accessory device comprises an information input section for accepting a user's information input, and

the control device of the accessory device comprises:

a device for executing predetermined processing on the basis of information input from the information input section, and

a device for generating data corresponding to a result of the predetermined processing and sending the data through the radio communication module.